

~~7. The in-situ abrasive surface cleaning process of claim 6, wherein said~~
steps of directing and impacting are performed concurrently with operation of a
processing device performing one of sanding, planing and grinding.

8. The in-situ abrasive surface cleaning process of claim 7, wherein said
steps of directing and impacting are performed as material is being processed in the
processing device.

9. The in-situ abrasive surface cleaning process of claim 6, further
comprising the step of applying a suctional force, said so as to suctionally collect the
material being removed by said impacting of the abrasive surface.

10. The in-situ abrasive surface cleaning process of claim 9, wherein said
steps of directing, impacting and applying are performed concurrently with operation
of a processing device performing one of sanding, planing and grinding.

11. The in-situ abrasive surface cleaning process of claim 10, wherein said
steps of directing, impacting and applying are performed as material is being
~~processed in the processing device.~~

X

12.⁷ The in-situ abrasive surface cleaning process of claim 6⁷ wherein said step of directing includes selectively directing the dry ice particles so the dry ice particles traverse the abrasive surface in at least one direction.

13.⁸ The in-situ abrasive surface cleaning process of claim 12⁷, wherein said step of selectively directing includes traversing the abrasive surface in two directions.

14.⁹ The in-situ abrasive surface cleaning process of claim 12⁷, wherein said step of selectively directing includes directing the dry ice particles to a portion of the abrasive surface and sequentially re-directing the dry-ice particles towards successive portions of the abrasive surface.

15.¹⁰ The in-situ abrasive surface cleaning process of claim 6⁷, further comprising providing a nozzle to directionally dispense the dry ice particles and wherein said directing includes positioning the nozzle so as to direct the dry-ice particles exiting the nozzle towards the abrasive surface.

16.¹¹ The in-situ abrasive surface cleaning process of claim 15¹⁰, wherein said directing includes selectively re-positioning the nozzle so the nozzle traverses the abrasive surface in at least one direction.

12

X

17.² The in-situ abrasive surface cleaning process of claim 16,¹¹ wherein the abrasive surface is in motion and wherein said selectively re-positioning the nozzle is done sequentially so the nozzle traverses the entire surface of the abrasive surface.

18.¹³ The in-situ abrasive surface cleaning process of claim 16,¹¹ wherein said selectively re-positioning the nozzle is performed automatically.

19.¹⁴ The in-situ abrasive surface cleaning process of claim 16,¹¹ wherein said providing further includes providing a means for moving the nozzle with respect to the abrasive surface in at least one direction.

~~20. A process for cleaning one of an abrasive sanding, planing and grinding surface, hereinafter the abrasive surface, that is located is with a processing apparatus, said abrasive surface cleaning process comprising the steps of:~~

- ~~removing the abrasive surface from the processing apparatus;~~
- ~~directing dry ice particles towards the abrasive surface;~~
- ~~impacting the abrasive surface with the dry ice particles so as to remove material generated during an operational procedure and being retained in the abrasive surface and so as to not materially effect the abrasive surface, leaving a cleaned abrasive surface; and~~

~~re-installing the deemed abrasive surface in the processing apparatus.~~